

1. A corner reflector, comprising:  
a reflective structure having an omni-directional topology that reflects  
incident electromagnetic radiation back towards an illumination source, wherein  
said reflecting structure is of miniature size and adapted for orientation  
5 independent of any adjacent reflective structures.
2. The reflector of claim 1, wherein said corner reflector is in powder form.
3. The reflector of claim 1, wherein said corner reflector has a characteristic  
10 dimension in a range of about 1 micrometer to about 100 micrometers.
4. The reflector of claim 3, wherein said characteristic dimension is about 10  
micrometers.
- 15 5. The reflector of claim 1, wherein said reflective structure is coated with at least  
one material layer that provides a controlled frequency response.
6. The reflector of claim 5, wherein said reflector is coated with at least two  
different material layers.

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7. An array of reflectors, comprising:  
at least two reflective structures, wherein said reflective structures have an  
omni-directional topology that reflects incident electromagnetic radiation back  
towards an illumination source, and wherein each of said at least two reflective  
5 structures are oriented independently of one other.
8. The array of claim 7, wherein said at least two reflective structures are in powder  
form.
- 10 9. The array of claim 7, wherein each reflective structure has a characteristic  
dimension in a range of about 1 micrometer to about 100 micrometers.
10. The array of claim 9, wherein said characteristic dimension is about 10  
micrometers.
- 15 11. The array of claim 7, wherein said at least one of said reflective structures are  
coated with at least one material layer.
12. The array of claim 11, wherein each of said at least two reflective structures are  
20 coated with a different material layer.
13. The array of claim 7, wherein said at least two reflective structures are mixed in a  
binding medium.

14. A reflective article, comprising:  
a binding medium, and  
at least two reflective structures attached to said binding medium, wherein  
said reflective structures have an omni-directional topology that reflects incident  
electromagnetic radiation back towards an illumination source, and wherein each  
of said at least two reflective structures are oriented independently of one other.
15. The article of claim 14, wherein said at least two reflective structures are in  
powder form.
16. The article of claim 14, wherein each reflective structure has a characteristic  
dimension in a range of about 1 micrometer to about 100 micrometers.
17. The article of claim 16, wherein said characteristic dimension is about 10  
micrometers.
18. The article of claim 14, wherein said at least two reflective structures are attached  
to said binding medium as part of an applied coating.
19. The article of claim 14, wherein said at least two reflective structures are  
embedded in said binding medium.
20. The article of claim 14, wherein said binding medium is a flexible material layer.

21. A method for producing a reflective coating, comprising:  
applying a plurality of miniature omni-directional corner reflectors in a  
desired manner, wherein each reflector of said plurality of miniature omni-  
directional corner reflectors is oriented independently of surrounding reflectors.
22. The method of claim 21, wherein said plurality of miniature omni-directional  
corner reflectors are in power form.
23. The method of claim 21, wherein each reflector in said plurality miniature omni-  
directional corner reflectors has a characteristic dimension in a range of about 1  
micrometer to about 100 micrometers.
24. The method of claim 23, wherein said characteristic dimension is about 10  
micrometers.
25. The method of claim 21, wherein said material layer is a flexible material layer.
26. The method of claim 21, further comprising:  
coating at least one of said plurality of miniature omni-directional corner  
reflectors with at least one material layer.

27. The method of claim 26, wherein said plurality of miniature omni-directional corner reflectors are coated with at least two different material layers.
28. The method of claim 21, further comprising:
- 5                   integrating said plurality of miniature omni-directional corner reflectors into a binding medium.
29. The method of claim 21, wherein said plurality of miniature omni-directional corner reflectors are applied to a desired object by at least one of spraying,
- 10                   painting and embedding.